Global Climate Change

Answer the following on a separate sheet of paper in complete sentences and in thoughtful consideration of the information available to you on the websites and in your head.

 5 Stars and kudos if you type it :D

Go to the NASA website: <http://climate.nasa.gov/>

FACTS

1. How many years has Earth gone without CO2 concentrations being above 300 ppm?
2. What is unprecedented about this warming period?
3. List and describe briefly 2 of the 9 pieces of evidence for climate change. (pick the 2 you find the most interesting or perhaps unsettling).

I highly encourage you to visit the Explore section to see the photos of the changes around the world.

Follow the link on the Causes page to the IPCC website:

 <http://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4_syr_spm.pdf>

1. When does the IPCC posit that the changes will be observed?
2. What are the causes of Global Climate Change?
3. Which regions will be experience the largest increases?
4. The IPCC uses the term “non-mitigation scenario” What does this term mean? Do you think we need to consider these scenarios? Has the Global community made moves to mitigate the causes of Global Warming? WHY or WHY not?
5. What are the impacts to water, ecosystems, food, coasts and health? (pick one to describe in *detail*)
6. What are the specific effects to North America? Have we observed any of these yet? Where?
7. What are the IPCC’s mitigation recommendations for impacts to water, ecosystems, food, coasts and health? (pick the same one to describe in detail that you picked above)
8. What SPECIFICALLY can Global Governments (pick a single government or specific strategy to describe) do to encourage the implementation of these mitigation recommendations?

Final thoughts…

I took a Climate and Energy class in College and the take home message of the course was: “Do everything in your power to lessen your contribution to Global Warming, BUT prepare for the worst”

What can YOU do to lessen your impact?

What can YOU do to prepare for the IPCC worst-case-scenario for North America?